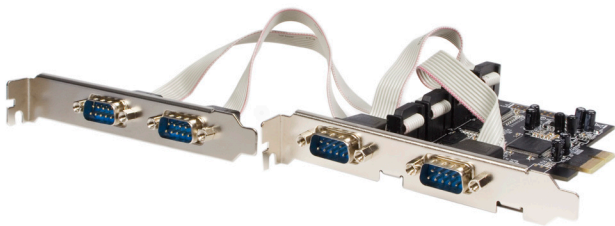# 4 Port Dual Profile PCI-Express UART Serial Card

PEX4S552

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com PEX4S552 4 Port Dual Profile PCI-Express UART Serial Card. Turning a PCI Express slot into four available RS-232 (DB9) serial connections, this innovative card utilizes a native, single-chip design for optimal performance and reliability.

Compatible with a broad range of operating systems, including Windows® 2000/XP/2003/Vista™ (32-bit and 64-bit), Linux Kernel 2.6.11 and up, and MAC OS 10.4 and above, the PEX4S552 PCI Express Serial Card also features an optional low profile bracket that allows the card to be installed in virtually any computer case regardless of the form factor of the case.

Features

- 128-byte deep FIFO per transmitter and receiver
- Automated in-band software flow control using programmable Xon Xoff in both directions
- Automated out-of-band flow control using CTS/RTS and DSR/DTR
- Compliant with PCI Express base specifications revision 1.0a
- Four high speed RS-232 serial ports with data transfer rate up to 460.8 Kbps
- Native single-Chip, single lane PCI Express
- Selectable power output on pin 9 for the serial port

Package Contents

- 1 x 4 Port PCI-Express RS-232 Serial Card
- 1 x Driver CD
- 4 x LP brackets
- 1 x Instruction Manual

Installation

Please note: Prior to hardware installation, please ensure that the necessary software has been installed on the host computer as detailed below.

Software (Drivers)

Windows® 2000/XP/Server 2003

1. From the Windows® desktop click *Start*, then *Run*.

2. In the command line that appears, type:
   x:\PCIe\MCS9901\XP\PCIeSetup32.exe,
   (where **x** represents the location of the CD/DVD-ROM drive).

3. Click on *OK*.

4. Click on *Install* to begin installing the drivers.

5. Click the *Exit* button to complete the driver installation, then shut down the PC.

6. Install the PCIe card in an available PCI Express slot on the host computer. For further reference, please see the section titled *Hardware Installation*.

7. Once the PEX4S552 card has been installed within the system, power up the computer. Once the operating system boots, Windows® will automatically start installing the device driver software.

Windows® XP(x64), Server 2003(x64)

1. From the Windows® desktop click *Start*, then *Run*.

2. In the command line that appears, type:
   x:\PCIe\MCS9901\XP64\PCIeSetup64.exe
   (where x represents the location of the CD/DVD-ROM drive).

3. Click on *OK*.

4. Click on *Install* to begin installing the drivers.

5. Click the *Exit* button to complete the driver installation, then shut down

the PC.

6. Install the PCIe card in an available PCI Express slot on the host computer. For further reference, please see the section titled "Hardware Installation".

7. Once the PEX4S552 card has been installed within the system, power up the computer. Once the operating system boots, Windows® will automatically start installing the device driver software.

Windows Vista™

1. From the Windows® desktop click *Start*, then *Run*.

2. In the command line that appears, type:
   x:\PCIe\MCS9901\Vista32\PCIeSetup32.exe
   (where **x** represents the location of the CD/DVD-ROM drive)

3. Click on *OK*.

4. Click on *Install* to begin installing the drivers.

5. Click the *Exit* button to complete the driver installation, then shut down the PC.

6. Install the PCIe card in an available PCI Express slot on the host computer. For further reference, please see the section titled *Hardware Installation*.

Windows Vista™ (x64)

1. From the Windows® desktop click *Start*, then *Run*.

2. In the command line that appears, type:
   x:\PCIe\MCS9901\Vista64\PCIeSetup64.exe
   (where **x** represents the location of the CD/DVD-ROM drive)

3. Click on *OK*.

4. Click on *Install* to begin installing the drivers.

5. Click the *Exit* button to complete the driver installation, then shut down the PC.

6. Install the PCIe card in an available PCI Express slot on the host computer. For further reference, please see the section titled *Hardware Installation*.

Hardware Installation

1. Turn off the power to the computer.

2. Unplug the power cord and remove your computer's cover.

3. Remove the slot bracket from an available PCIe slot.

4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.

5. Replace the slot bracket holding screw to secure the card.

6. Replace the computer cover and reconnect the power cord.

Verifying Windows Driver Installation

1. Right click **My Computer**, then click **Manage**. Click **Device Manager**.

2. Click on the **+**(plus sign) in front of Ports in the right pane (COM & LPT). Four High-Speed PCIe Serial Port should be displayed.

Specifications

Specification	PEX4S552
Bus Type	PCI Express
Chipset	MOSCHIP MCS9901
Power Output	Selectable Output from Pin 9 of Serial Port
Operating Systems Supported	Windows 2000/XP/2003/Vista™ (x32 and x64) Linux Kernel 2.6.11 & above MAC 10.4 & above

Technical Support

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